Managing the Obese Client

Satellite Conference and Live Webcast Wednesday, May 23, 2012 2:00 – 4:00 p.m. Central Time

Produced by the Alabama Department of Public Health Video Communications and Distance Learning Division

Faculty

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How Is Obesity Determined?

- Several methods can be used:
 - Height-weight tables used to be the standard
 - -Measure percent of body fat

How Is Obesity Determined?

- · Waist-to-hip measure
 - Measure hips and waist
 - -Divide waist by hip measurement

How Is Obesity Determined?

- Waist-to-hip measure ratio
 - -Men below 0.90
 - -Women below 0.80

How Is Obesity Determined?

- Body Mass Index
 - -BMI standard now
 - Measure that compares weight to height

BMI

- · Gives a number that indicates:
 - -Under weight
 - Less than 18.5
 - -Normal weight
 - 18.5 24.9
 - -Overweight
 - 25 29.9

BMI

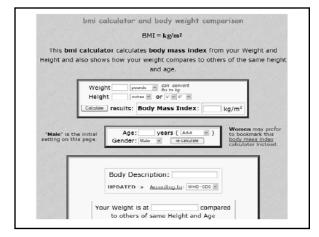
- -Obese, Class I
 - 30 34.9
- -Obese, Class II
 - 35 39.9
- -Severely obese, Class III
 - 40 or greater

Calculating BMI

- [(Weight lbs ÷ Height inches) ÷ Height – inches] x 703
 - -Example $(250 \text{ lbs} \div 63) \div 63 \times 703 = BMI \text{ of } 46$

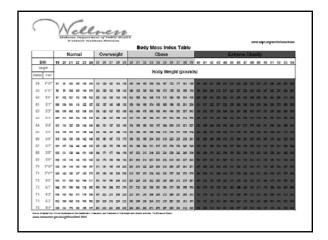
Use BMI Calculator

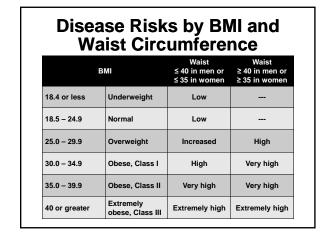
- adph.org/worksitewellness
 - -Related links
 - -Quizzes
 - -Body Mass Index evaluation



Use BMI Chart

- Height in inches on left side of chart
- · Go across to weight in pounds
- Number at top of column is BMI
- Can be found in ADPH Document Library under Professional and Support Services
 - -Weight Watchers



















Obesity Forecast

- Over 1/3 of Americans obese now
- By 2030:
 - -42% of Americans will be obese
 - -11% of Americans will be severely obese

Cost of Obesity

- Increased health care costs
- 9% of health care \$ for obesity related illnesses
 - -Diabetes
 - -Heart disease
 - -Kidney disease
 - -Arthritis

Hospital Equipment Costs

- Replace wall mounted toilets for floor mounted
- Sinks reinforced
- · Doorways widened
- Stretchers to accommodate up to 750 pounds

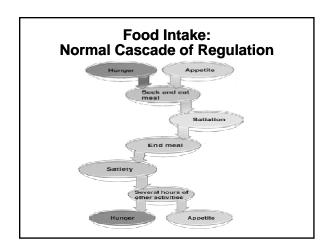
Obesity in Alabama

- High rates of obesity in Alabama are well established
 - -Adults 31%
- Ranked 2nd in the country
 - -F as in Fat
 - Report for 2010



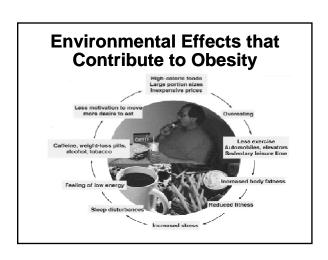
Why Do We Choose to Eat the Foods We Do?

Hunger OR Appetite
Physical need Psychological drive



Factors that Influence Food Intake

- Brain neurochemicals
- Emotional triggers
 - -Stress eating
- External cues
 - -Environment
- · Lack of sleep
- Genetics



Food Composition Affects Intake

- Protein
 - Person eats less and blood sugar levels don't increase or drop quickly
- Complex carbohydrates and fibers
- Creates feeling of fullness and person eats less

Food Composition Affects Intake

- · High fat foods
 - Stimulate appetite and person eats more and become hungry sooner

How Can Obesity Be Managed

- Diet
- Physical Activity
- Medications
 - As indicated for weight loss and other disease conditions
- Each part works with the individual's preferences, schedule, and health status

Nutrition and Activity Goals

- Are the same for most people regardless of weight or disease state
 - Eat more fruits and vegetables
 - Get enough calcium from dairy or other sources to help maintain bones
 - -Limit the amount of fats
 - Adequate lean protein intake

Nutrition and Activity Goals

- -Limit the amount of simple sugars eaten
- -Try to get at least 30 minutes of some kind of physical activity each day
- Increase amount of whole grains and high fiber foods

Ways to Increase Intake of Whole Grains and Fiber

- Eat high fiber breakfast cereals
 - -Bran, barley, oats
- Add berries, nuts, flaxseed or cinnamon to cereals

Ways to Increase Intake of Fruits and Vegetables

- Eat total of 6-9 servings of fruits and vegetables a day
- · Nothing! Mom was right all along!
 - -Add applesauce to cooked cereal like oatmeal
 - -Blend vegetables and add to soups or sauces

Ways to Increase Intake of Fruits and Vegetables

Chop vegetables and add to pasta dishes

Aim for More 'Whole' Fruits and Veggies

- Closer to "picked state", generally the more fiber
- Helps to create feeling of 'fullness' to limit caloric intake
- Food groups with lowest calories per serving

Aim for More 'Whole' Fruits and Veggies

 Majority of vitamins and minerals needed are obtained for fruits and vegetables

Frozen and Canned Also Good Choices

- May have vitamins and minerals preserved better than fresh
- Can be more economical when certain produce is out of season
- · Easier to chew
- Watch for how much sugar or salt is used in preserving

How Much and What Kind of Fats Should Be Eaten

- Include more monounsaturated fats
 - -Olive oil
 - -Canola oil
 - -Peanut oil

How Much and What Kind of Fats Should Be Eaten

- Reduce saturated fat
 - -Butter
 - -Lard
 - -Shortening

How Much and What Kind of Fats Should Be Eaten

- Limit trans fats to less than 1% of total calories (1g/1000 calories)
- To provide Omega 3 fatty acids:
 - Eat flaxseeds, walnuts, soybeans
 - Include 1-2 servings of fatty fish per week

Limit Portion Sizes

 Scientific experiments have shown the larger the portion size, the more you are likely to eat!

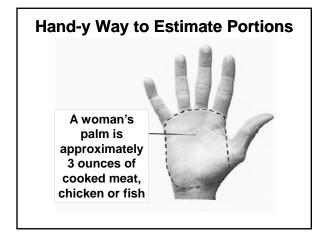
Limit Portions

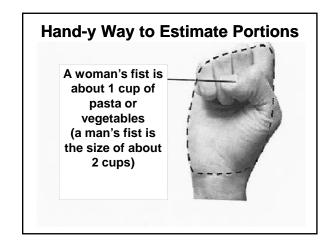
- Use smaller dishes to serve meals
- When eating out, avoid buffets
- Ask for a carry out box at beginning of meal
 - -Put half of food in it
- · Choose smaller servings
 - -Regular hamburger instead of large

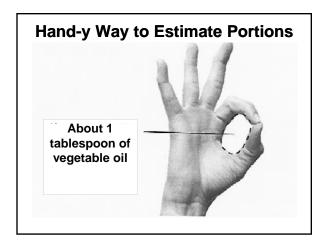
Changes in Portions over the Years: Cola 20 years ago Today 6.5 ounces 20 ounces 85 calories 250 calories

*165 calories more









How to Choose Healthy Snacks

- 10-10-5 nutrition standard
 - -10% or less of the Daily Value (DV) of total fat *
 - -10% or less of the Daily Value (DV) of total carbohydrates *
 - * Exception with nuts and fruits

How to Choose Healthy Snacks

- -5% or more of the Daily Value (DV) of at least one:
 - Fiber, Vitamin A, Vitamin C, Calcium, Iron
- -360 mg or less of sodium





Individual Will Ultimately Decide on Food Choices

• The environment can encourage good or poor choices